

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/539,178
Source: PCT
Date Processed by STIC: 5-26-06

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 05/26/2006

PATENT APPLICATION: US/10/539,178

TIME: 08:50:26

Input Set : A:\201862_1.DOC

Output Set: N:\CRF4\05262006\J539178.raw

```

4 <110> APPLICANT: University of Utah
6 <120> TITLE OF INVENTION: RAPID DIRECT SEQUENCE ANALYSIS OF MULTI-EXON GENES
8 <130> FILE REFERENCE: 21101.0047P1
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/539,178
C--> 10 <141> CURRENT FILING DATE: 2005-06-16
10 <150> PRIOR APPLICATION NUMBER: 60/433,774
11 <151> PRIOR FILING DATE: 2002-12-17
13 <160> NUMBER OF SEQ ID NOS: 694
15 <170> SOFTWARE: FastSEQ for Windows Version 4.0
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 20
19 <212> TYPE: DNA
20 <213> ORGANISM: Artificial Sequence
22 <220> FEATURE:
23 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
24 Construct
26 <400> SEQUENCE: 1
27 aattggcacc agagaaatgg 20
29 <210> SEQ ID NO: 2
30 <211> LENGTH: 24
31 <212> TYPE: DNA
32 <213> ORGANISM: Artificial Sequence
34 <220> FEATURE:
35 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
36 Construct
38 <400> SEQUENCE: 2
39 tcatgtgttt agttctatcg caaa 24
41 <210> SEQ ID NO: 3
42 <211> LENGTH: 20
43 <212> TYPE: DNA
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
48 Construct
50 <400> SEQUENCE: 3
51 tcatttctcc atggttgggt 20
55 <210> SEQ ID NO: 4
56 <211> LENGTH: 21
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
62 Construct

```

RAW SEQUENCE LISTING

DATE: 05/26/2006

PATENT APPLICATION: US/10/539,178

TIME: 08:50:26

Input Set : A:\201862_1.DOC

Output Set: N:\CRF4\05262006\J539178.raw

```

64 <400> SEQUENCE: 4
65 tgacatccca ataaacctcc a 21
67 <210> SEQ ID NO: 5
68 <211> LENGTH: 20
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
74 Construct
76 <400> SEQUENCE: 5
77 gctctcacag ggttgtttca 20
79 <210> SEQ ID NO: 6
80 <211> LENGTH: 22
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
86 Construct
88 <400> SEQUENCE: 6
89 gaagggcaaa gataagagac ga 22
91 <210> SEQ ID NO: 7
92 <211> LENGTH: 20
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
98 Construct
100 <400> SEQUENCE: 7
101 gggaaccaa gtgattgagg 20
103 <210> SEQ ID NO: 8
104 <211> LENGTH: 21
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
112 Construct
114 <400> SEQUENCE: 8
115 tgcttgaga cagcgtttaa t 21
117 <210> SEQ ID NO: 9
118 <211> LENGTH: 21
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
124 Construct
126 <400> SEQUENCE: 9
127 caggagacac agagatttgc c 21
129 <210> SEQ ID NO: 10
130 <211> LENGTH: 20

```

RAW SEQUENCE LISTING

DATE: 05/26/2006

PATENT APPLICATION: US/10/539,178

TIME: 08:50:26

Input Set : A:\201862_1.DOC

Output Set: N:\CRF4\05262006\J539178.raw

```

131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
136     Construct
138 <400> SEQUENCE: 10
139 tcggaagacc ctatgctcag                                20
141 <210> SEQ ID NO: 11
142 <211> LENGTH: 22
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
148     Construct
150 <400> SEQUENCE: 11
151 gcttgcggtta aatgatggta tg                                22
153 <210> SEQ ID NO: 12
154 <211> LENGTH: 20
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
160     Construct
162 <400> SEQUENCE: 12
163 ttgatttgct gttccagtgc                                20
167 <210> SEQ ID NO: 13
168 <211> LENGTH: 25
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
174     Construct
176 <400> SEQUENCE: 13
177 gcgtagatta tttgtcatct tcagg                            25
179 <210> SEQ ID NO: 14
180 <211> LENGTH: 22
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
186     Construct
188 <400> SEQUENCE: 14
189 tgagtaacca tccaacagag ga                                22
191 <210> SEQ ID NO: 15
192 <211> LENGTH: 20
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic

```

RAW SEQUENCE LISTING

DATE: 05/26/2006

PATENT APPLICATION: US/10/539,178

TIME: 08:50:26

Input Set : A:\201862_1.DOC

Output Set: N:\CRF4\05262006\J539178.raw

```

198      Construct
200 <400> SEQUENCE: 15
201 ttatcccatg caccacaatg                                20
203 <210> SEQ ID NO: 16
204 <211> LENGTH: 20
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
210      Construct
212 <400> SEQUENCE: 16
213 caagccaatg tcatggaaga                                20
215 <210> SEQ ID NO: 17
216 <211> LENGTH: 20
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
222      Construct
224 <400> SEQUENCE: 17
225 ctgctgaatg tgtggagagc                                20
227 <210> SEQ ID NO: 18
228 <211> LENGTH: 20
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
234      Construct
236 <400> SEQUENCE: 18
237 acatttcatt cccacgctgt                                20
239 <210> SEQ ID NO: 19
240 <211> LENGTH: 20
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
246      Construct
248 <400> SEQUENCE: 19
249 ggccttcttg aaataaaggc                                20
251 <210> SEQ ID NO: 20
252 <211> LENGTH: 20
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
258      Construct
260 <400> SEQUENCE: 20
261 aaacttgtgg cccatttaga                                20
263 <210> SEQ ID NO: 21

```

RAW SEQUENCE LISTING

DATE: 05/26/2006

PATENT APPLICATION: US/10/539,178

TIME: 08:50:26

Input Set : A:\201862_1.DOC

Output Set: N:\CRF4\05262006\J539178.raw

```

264 <211> LENGTH: 20
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
270     Construct
272 <400> SEQUENCE: 21
273 gccaacagga atacgaaagc                                20
275 <210> SEQ ID NO: 22
276 <211> LENGTH: 20
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
284     Construct
286 <400> SEQUENCE: 22
287 ttcaaattcca cagttggcac                                20
289 <210> SEQ ID NO: 23
290 <211> LENGTH: 23
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
296     Construct
298 <400> SEQUENCE: 23
299 tgcagaatca ctctatatg gtc                                23
301 <210> SEQ ID NO: 24
302 <211> LENGTH: 20
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
308     Construct
310 <400> SEQUENCE: 24
311 cataccctgc gttgttctca                                20
313 <210> SEQ ID NO: 25
314 <211> LENGTH: 22
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Description of Artificial Sequence; Note=Synthetic
320     Construct
322 <400> SEQUENCE: 25
323 ggagaacatc ctgctgtacc tt                                22
325 <210> SEQ ID NO: 26
326 <211> LENGTH: 20
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/539,178

DATE: 05/26/2006

TIME: 08:50:27

Input Set : A:\201862_1.DOC

Output Set: N:\CRF4\05262006\J539178.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date